Supplementary Fig. S1. A. Comparison of amino acid sequences of mammalian TCRα and TCRβ chains. B. Cell lysates from HeLa cells transfected with plasmids encoding WT or SS-AA mutant TCRα-HA were left untreated or digested with Endo H or PNGase F before immunoblotting with anti-HA monoclonal antibody. Molecular mass markers (in kilodaltons) are indicated on the right. C-H. HeLa cells transfected with plasmids encoding WT or SS-AA mutant TCRα-HA were fixed, permeabilized and immunostained with rabbit polyclonal anti-HA (green channel; C & F) and mouse monoclonal anti-calnexin antibodies (red channel; D & G), followed by Alexa Fluor 488 goat anti-rabbit IgG and Alexa Fluor 555 goat anti-mouse IgG antibodies. Cells were visualized by confocal fluorescence microscopy. Bars, 10 mm. I. A postnuclear supernatant (PS) of HeLa cells transfected with WT or SS-AA mutant TCRα-HA was separated into cytosolic (Cyt) and membrane (Memb) fractions by ultracentrifugation at 105,000 x g for 1 h. The membrane fraction was treated with 0.1 M Na₂CO₃, pH 11.3 (Na₂CO₃) or 0.5% (v/v) Triton X-100 (Tx100) for 1 h at 4 °C. After ultracentrifugation at 105,000 x g for 1 h, supernatants were collected. All fractions were analyzed by SDS-PAGE and immunoblotting with anti-HA monoclonal antibody.

Supplemental Figure 1

